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Part Number: [0758344105](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 2-Pair GbX® Electrically Enhanced Backplane Connector System, Right Guide Header, 100 Circuits, Gold (Au)0.76µm (30µ"), Pin Length 5.55mm (.219")

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-75221-999 \(PDF\)](#)

General

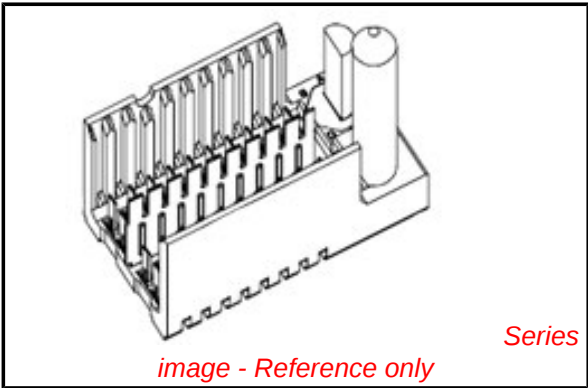
Product Family	Backplane Connectors
Series	75834
Application	Backplane
Application Tooling Documents	http://www.molex.com/pdm_docs/ats/TM-622022099.pdf >Tooling Manual
Component Type	PCB Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical

Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Black, Gray
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Columns	10
Number of Pairs	2
Number of Rows	7
Orientation	Vertical
PC Tail Length (in)	0.090 In
PC Tail Length (mm)	2.30 mm
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.073 In
Pitch - Mating Interface (mm)	1.85 mm
Pitch - Term. Interface (in)	0.073 In
Pitch - Term. Interface (mm)	1.85 mm
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
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EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[75834Series](#)

Data Rate	8.0 Gbps
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

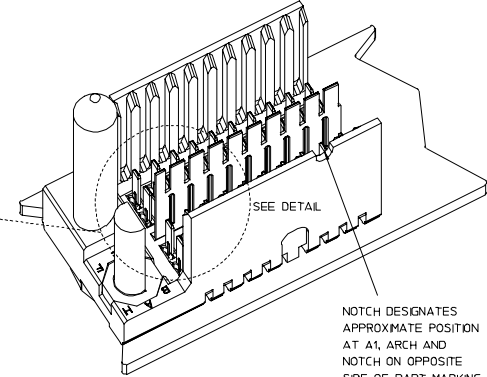
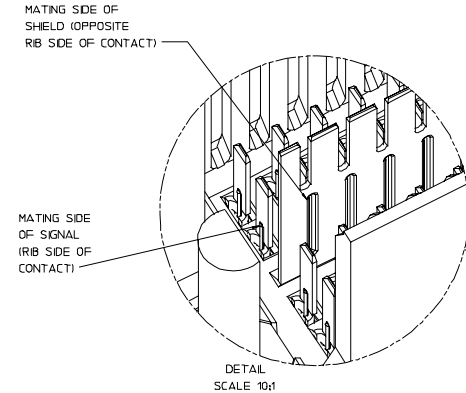
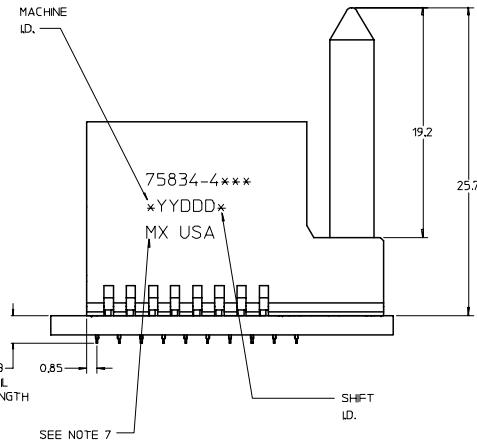
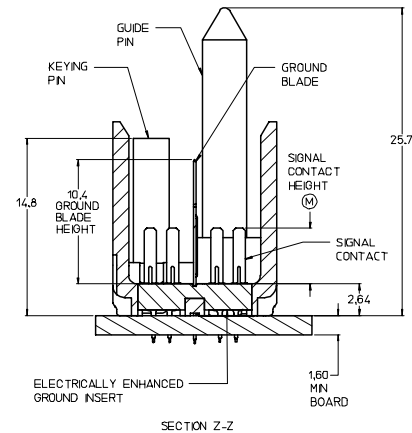
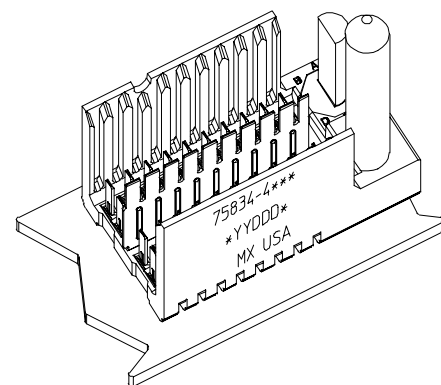
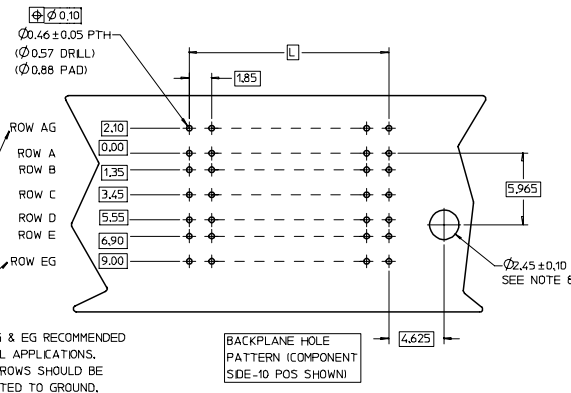
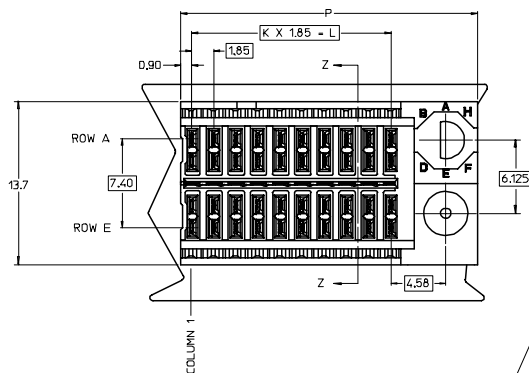
Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75834-410

GbX is a registered trademark of Amphenol Corporation.

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- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0, COLOR - GRAY. ELECTRICALLY ENHANCED GROUND INSERT - CONDUCTIVE RESIN, COLOR - RED. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA, SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS, NICKEL (Ni) OVERALL.
 3. THESE PARTS CONFORM TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
 4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY. CONTACT PAIRS MUST BE THE SAME LENGTH.
 5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
 6. PACKAGE PER PK-70873-5058.
 7. MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.
 8. OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR ADDITIONAL GUIDE PIN SUPPORT. FOR GROUNDED GUIDE PIN, HOLE TO BE PLATED, DRILL SIZE $\phi 2.58$, PAD SIZE $\phi 5.50$.
 9. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

MODULE ORIENTATION RIGHT = 4

KEYING ORIENTATION 0-NONE 1=A 2=B ETC...

75834-4 * * *

COLUMN 1-10 COL 2-25 COL 5-5 COL

PIN LENGTH DIM "M" 3=3.55 mm 4=4.55 mm 5=5.55 mm

PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75834-45**	4	7.40	15.53	10
75834-41**	9	16.65	24.78	20
75834-42**	24	44.40	52.53	50

LEAD-FREE
PLATING ON
SIGNALS &
GROUND

P/N	75834-()	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION										

ADD 5-COL PART EC NO: UCP2008-0466 DRAWN: JB INGHAM CHKD: JLAIRX APPR: JLAIRX REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) DIM INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± --- °	DIMENSION STYLE MM ONLY DRAWN BY: JB INGHAM CHECKED BY: SREED APPROVED BY: SREED DATE: 2007/05/01 DATE: 2007/05/01 DATE: 2007/05/01	SCALE: 5:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: GBX 2-PAIR LF BACKPLANE ELECTRICALLY ENHANCED RIGHT END SALES ASSEMBLY MOLEX INCORPORATED MATERIAL NO.: DOCUMENT NO.: SD-75834-410 SHEET NO.: 1 OF 1
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
	SEE CHART				
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				